

# INTERNATIONAL SEARCH REPORT

ional Application No

PC/IE2004/000056

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01S5/0625 H01S5/068

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GLANCE B ET AL: "ONE-THZ DIGITAL RANDOM ACCESS HIGH RESOLUTION OPTICAL FREQUENCY SYNTHESIZER PROVIDING COLD-START OPERATION FROM A FREQUENCY REFERENCE" COMMUNICATIONS : CONNECTING THE FUTURE. SAN DIEGO, DEC. 2 - 5, 1990, PROCEEDINGS OF THE GLOBAL TELECOMMUNICATIONS CONFERENCE AND EXHIBITION(GLOBECOM), NEW YORK, IEEE, US, vol. VOL. 2, 2 December 1990 (1990-12-02), pages 766-767, XP000220883 ISBN: 0-87942-632-2 the whole document	1,18,22, 26
A	US 6 504 856 B1 (ANDERSSON LARS ET AL) 7 January 2003 (2003-01-07) column 3, line 20 - line 30; figure 4 figures 7,8	1,18,22, 26

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

18 November 2004

Date of mailing of the international search report

21/12/2004

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In International Application No  
F 00, IE2004/000056

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SARLET G ET AL: "CONTROL OF WIDELY TUNABLE SSG-DBR LASERS FOR DENSE WAVELENGTH DIVISION MULTIPLEXING" JOURNAL OF LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US, vol. 18, no. 8, August 2000 (2000-08), pages 1128-1138, XP000989390 ISSN: 0733-8724 the whole document	1,18,22, 26
A	UPSCHULTE B L ET AL: "MEASUREMENTS OF CO, CO <sub>2</sub> , OH, AND H <sub>2</sub> O IN ROOM-TEMPERATURE AND COMBUSTION GASES BY USE OF A BROADLY CURRENT-TUNED MULTISECTION INGAASP DIODE LASER" APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 38, no. 9, 20 March 1999 (1999-03-20), pages 1506-1512, XP000828580 ISSN: 0003-6935 page 1508; figure 3	1,18,22, 26

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6504856	B1	07-01-2003	SE 519081 C2 07-01-2003
		AU 2304699 A	23-08-1999
		CA 2316820 A1	12-08-1999
		EP 1050088 A1	08-11-2000
		JP 2002503036 T	29-01-2002
		SE 9800143 A	22-07-1999
		WO 9940654 A1	12-08-1999